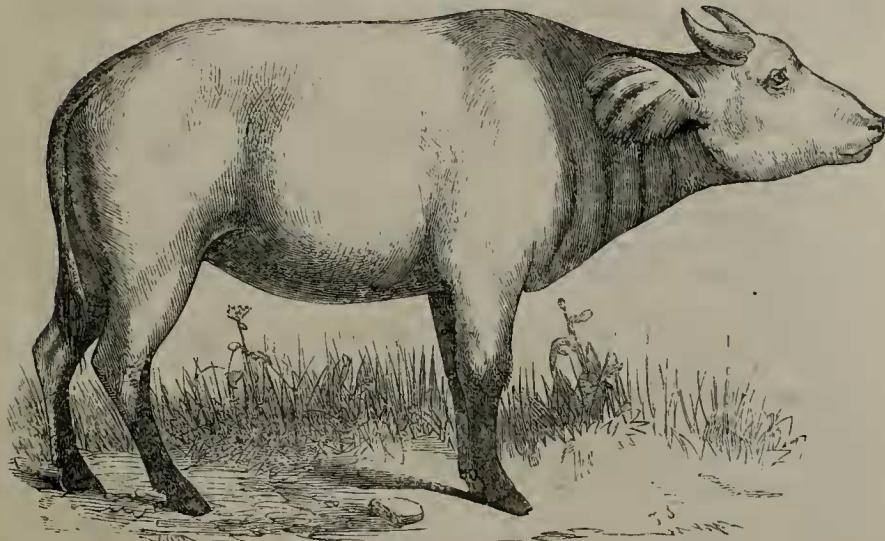


considerably less so than the true *B. caffer* with which it associates. He considers the two to be decidedly distinct; and one of his two specimens is from the Galla country, the other from the White Nile.

In my collection of drawings I have found a characteristic representation, taken from the living animal, of the cow of *Bubalus brachyceros*, Gray, the great-eared Buffalo of Western Middle Africa.



Bubalus brachyceros.

This animal was from the Foulah country, north of Sierra Leone, where the species is abundant. It was met with by Capt. Clapperton in the vicinity of Lake Tchad, and more recently by M. du Chaillu. The colouring of the species much resembles that of the Red River-Hog (*Potamochoerus penicillatus*, Gray) of the same region.

5. Characters of Six New Australian Land-Shells.

By JAMES C. COX, M.D., CORR. MEMB.

HELIX PORTERI, mihi.

M.C.

H. testa profunde et subobtecte umbilicata, depresso-circulari, tumidiuscula, tenui, rubida, sub lente obsolete plicato-striata, minutissime granulata setisque brevissimis confertim bullata; spira obtusa; anfractibus quatuor et semisse (4½), convexiusculis, ultimo tumido, ad os constricto; apertura subquadrato-lunari; peristome tenui, expanso, reflexo, intus albido, umbilicum semigente.

Diam. maj. 0·75, min. 0·63, alt. 0·50 unc.

Hab. Upper Clarence River, at Guy Faux Station (*Porter*); Upper

Richmond River, at Cowlong (in cedar-brushes under logs) (*Macgillivray*).

This shell bears much general resemblance to specimens of *H. mansueta* from the Pine Mountain, Lismore, Richmond River (which are darker than Queensland specimens); but the pilose surface, the white lip, the narrower and more covered umbilicus are very distinctive characters in *H. porteri*, which is besides closely allied to the more diminutive *H. brevipila*, and occupies a place between it and *H. mansueta*.

HELIX CONSCENDENS, mihi.

M.C.

H. testa imperforata, globoso-turbanata, pertenui, pellucida, semi-vitrea, nitidiuscula, sub lente obsolete striata, albida, fascia plus minusve colorata ornata; spira conoidea, apice colorata; anfractibus sex, convexiusculis, ultimo peramplo, paululum deflexo, carina obsolete; apertura lunato-ovata; peristomate tenui, margine externo subsinuato, columellari supra tenuiter reflexo.

Diam. maj. 0·60, min. 0·50, alt. 0·55 unc.

Hab. Lismore, Upper Richmond River (on trees in the pine-brushes) (*Macgillivray*).

The band varies in intensity of colour from deep black bordered with red to reddish brown or pinkish, and in old specimens is very faintly indicated.

HELIX FENESTRATA, mihi.

M.C.

H. testa minute umbilicata, globoso-conica, carinata, tenui, cinereo-fulva, lineis rugosis elevatis plurimis irregulariter costata cæterisque spiralibus decussata, speciem fenestratam formantibus præsertim versus apicem; spira conica, apice obtusa; anfractibus sex, convexiusculis, ultimo subacute carinato; apertura subangulato-lunata, intus margaritacea; peristomate tenui, acuto, ad columellam modice expanso et umbilicum subtegente.

Diam. maj. 0·33, min. 0·30, alt. 0·27 unc.

Hab. Pine Mountain, Lismore, Upper Richmond River (on trunks of trees) (*Macgillivray*).

HELIX CORTICICOLA, mihi.

M.C.

H. testa aperte umbilicata, depresso-circulari, nitidiuscula, epidermide fulvo-rufescente vestita, penicillis pallidioribus supra irradia, irregulariter subcrasse costata, infra læviuscula, lineas spirales obsoletas sub lente exhibente; spira depressa; anfractibus quinque, declivi-convexis, pergradatim increscentibus, ultimo obtuse carinato, ad os obsolete; apertura lunato-subcirculare; peristomate tenui, simplici, non ad columellam dilatato.

Diam. maj. 0·30, min. 0·25, alt. 0·15 unc.

Hab. Lismore, north arm of Richmond River (under bark) (*Macgillivray*).

Closely allied to *H. urarensis*.

HELICINA DIVERSICOLOR, mihi.

M.C.

H. testa globoso-turbanata, obsolete subcarinata, solida, superne subconica, inferne depresso-convexuscula, basi albida, gradatim anfractu penultimo violaceo tincta, postquam violacea, denique rubida, apice albido, sub lente transverse plicata-rugosa, anfractu ultimo pluribus lineis spiralibus absuletis; spira obtusa; anfractibus quinque, planato-convexusculis; apertura obliqua, lunata; peristomate incrassato, modice reflexo, albo, ad calum mellam angulo prominente.

Diam. maj. 0·23, min. 0·20, alt. 0·20 unc.

Hab. Pine Mountain, Ipswich, Queensland (*Masters*); Pine Mountain, Lismore, Upper Richmond River (on leaves and trunks of trees) (*Macgillivray*).

A somewhat variable shell in colour: it frequently has a dead and chalky instead of a porcellanous appearance; and the red and violet of the spire are sometimes greenish, or bluish, or wanting altogether. The throat is occasionally reddish or yellowish instead of white. Queensland specimens are not in general so brightly coloured as Richmond River ones.

PUPINA PINETICOLA, mihi.

M.C.

P. testa ovata, nitidissima, polita, solidiuscula, hyalina; spira obtusa; anfractibus quinque, ultimo maximo, plusculum quam dimidium testæ æquante, proximo latitudine æquali, cæteris celeriter decrescentibus; apertura modice obliqua, fere orbiculari; peristomate albo, crasso reflexo, canalibus duobus interrupta, canali superiore externaque angusto, intus plica concava præminente alba formata, canali altero ad medium oris externe aperto et columellam separante; operculo corneo, paucispirali.

Long. 0·20, diam. 0·12, apert. 0·09 unc.

Hab. Pine Mountain, Lismore, Upper Richmond River (on the ground, burrowing in dry weather) (*Macgillivray*).

6. List of the Shells collected by Samuel White Baker, Esq., during his recent Explorations in Central Africa. By HENRY ADAMS, F.L.S.

1. LIMICOLARIA TENEBRICA, Reeve.

2. PLANORBIS, sp.?

This species was also brought by Capt. Speke from the Victoria N'yanza and White Nile, but I have not been able to ascertain whether it has been described.

3. VIVIPARA UNICOLOR, Oliv.